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Subject: flood plain modelling

Posted by [sab](#) on Sun, 02 May 2004 02:22:11 GMT

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Hi,

As a beginner envi programmer,  
I'm trying to perform flood plane modelling from lidar data by  
specifying a range of elevations and a seed value, then do a fill to  
create shapefiles of areas that may be inundated by a flood scenario.  
I would like to do this for a very large data-set, preferably in batch  
mode.

I have 2 queries one general the other specific.

1. General:

Any ideas as to the best approach to doing this? Should I try to look  
for existing ENVI functions for the needed functionality or write my  
own IDL routines?

2. Specific (maybe, i'll also post it as a separate msg):

So far it looks like REGION\_GROW may be useful by creating a vector of  
vertices representing a ROI. the next step would be to convert the ROI  
to shapefile. Any functions in IDL/ENVI that cleanly allow this  
conversion?

any help is greatly appreciated.

shoaib

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s.burq@ugrad.unimelb.edu.au

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